



OXYGRO Systems

OXYGRO Product Catalogue 2026

Fertigation, water treatment and growing systems for commercial greenhouses.

Fertigation

Water Treatment

Substrate Monitoring

Growing Media

DWC Greenhouse Systems

Contents

Every product spread ends with a QR code and a link to the product's page on www.oxygrosystems.com.

About OXYGRO	3
Where We've Worked	4
One Integrated Water Loop	5
01 Fertigation	6
JET Inline-II and JET Inline-III	7
JET Bypass-III	9
OXYGRO-Inline	11
02 Water Treatment	13
ASEPTICER UV Disinfection Machine	14
03 Substrate Monitoring	16
Plant Scale-I and Plant Scale-II	17
Plant Scale-III	19
04 Growing Media	21
Tropical Design Mix for Vine Crops	22
Strawberry Premium Blend	24
Blueberry, Raspberry and Blackberry Premium Blend	26
05 DWC Greenhouse Systems	28
DWC Hydroponic Greenhouse System	29
Applications by Crop	31
Services	32
Contact OXYGRO	33

Precision for the Water Your Crop Runs On

OXYGRO Systems is headquartered in Hong Kong, with offices in Qingdao, Selangor and Bengaluru, and has delivered projects in 10 locations across Africa and Latin America. Our range covers 10 products in 5 families, from fertiliser injectors to complete deep water culture greenhouses.

Every system is built around measured control. Fertigation units hold EC and pH with sensors imported from Germany, the ASEPTICER treats drain water with 1000 W UV lamps, and Plant Scale weighs the crop so irrigation follows what the plants use. Agronomists and engineers work together on each system, and technical support runs 24/7.



10

Project Locations

5

Countries

Africa and Latin America

Where Our Projects Are

37.5 ha

Built in Six Months (Naivasha)

Four Offices, One Team

Headquarters

Hong Kong

Office

Qingdao, China

No 12, Building No 1, Room No 801, Nanjing Road, Qingdao, Shandong 266071, China

Office

Selangor, Malaysia

No. 62, Jalan SE3, Park Residence, Sunway Eastwood, Equine Park, 43300 Seri Kembangan, Selangor, Malaysia

Office

Bengaluru, India

21, 2nd Cross, 515 ABW Colony, HAL 3rd Stage, New Thippasandra, Bengaluru 560075, India

Where We've Worked

OXYGRO has delivered projects in 10 locations across 5 countries: Kenya, Nigeria, the Dominican Republic, Guatemala and Colombia.



● Project location □ OXYGRO office

Kenya

Africa

Naivasha, Nairobi, Mombasa, Nakuru, Kisumu

Nigeria

Africa

Abuja, Lagos

Dominican Republic

Latin America

Santo Domingo

Guatemala

Latin America

Guatemala

Colombia

Latin America

Medellín

Featured Project

Naivasha Cut-Flower Farm

Naivasha, Kenya

37.5 ha

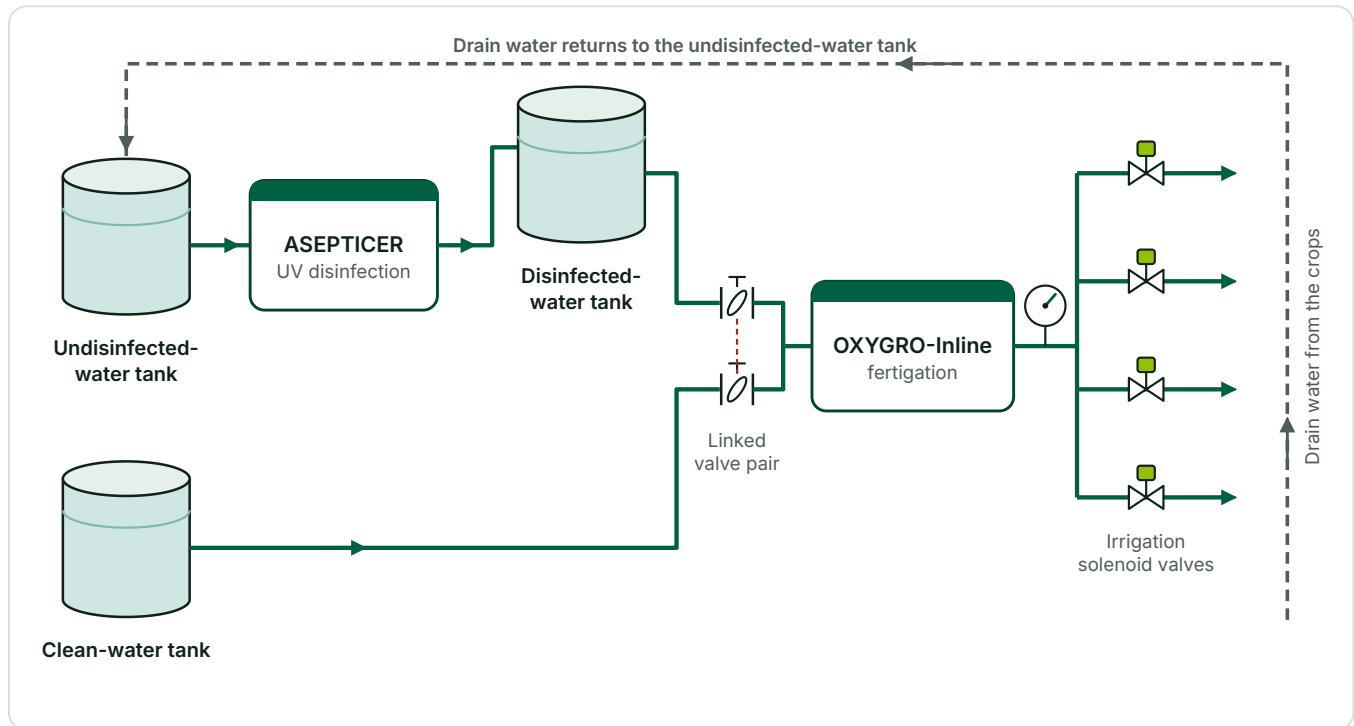
Cut-flower farm

Six Months

Built in six months

One Integrated Water Loop

OXYGRO's units work as one loop. Drain water is disinfected, held, blended with clean water and dosed again, so it goes back to the crop instead of to waste.



Drain water is disinfected by the ASEPTICER, blended with clean water and dosed again by OXYGRO-Inline.

01

Collect

Drain water returns to an undisinfected-water tank.

02

Disinfect

The ASEPTICER passes it under 1000 W UV lamps at 5–40 m³/h.

03

Blend

A double butterfly valve mixes disinfected and clean water, and an EC sensor checks the result.

04

Dose

OXYGRO-Inline sets EC and pH and feeds up to 666 irrigation valves at 30–65 m³/h.

See the [ASEPTICER UV Disinfection Machine on page 14](#) and [OXYGRO-Inline on page 11](#).

01

Product Family

Fertigation

Inline, bypass and high-flow units that mix and dose fertiliser into irrigation water under EC and pH control.

10–100 m³/h Main-pipe flow across the range.



JET Inline-II and JET Inline-III

JET Inline-II • JET Inline-III

7



JET Bypass-III

JET Bypass-III Essential • Professional

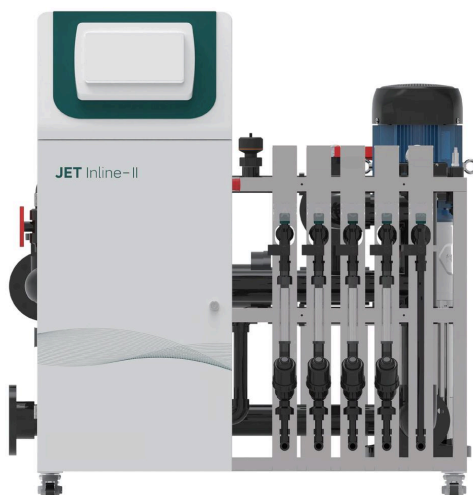
9



OXYGRO-Inline

OXYGRO-Inline Quantum Flow • Essential • Professional

11



JET Inline-II and JET Inline-III

JET Inline-II • JET Inline-III

JET Inline doses fertiliser on the mainline for soilless crops.

A mainline fertiliser injector with a jet-type mixing chamber, five dosing channels and German EC/pH sensors, for 15 or 32 m³/h of irrigation flow.

Irrigation Flow

15 / 32 m³/h

Fertiliser Channels

5

Inlet / Outlet

DN50 / DN80

Programmes

6 time-based

Features

- High-precision EC and pH sensors, imported from Germany, give accurate fertiliser dosing.
- A jet-type sealed mixing chamber blends the solution quickly and evenly.
- A built-in backwashable outlet filter prevents clogging.
- Run it from the touch screen, the HortiECO mobile app or a PC.

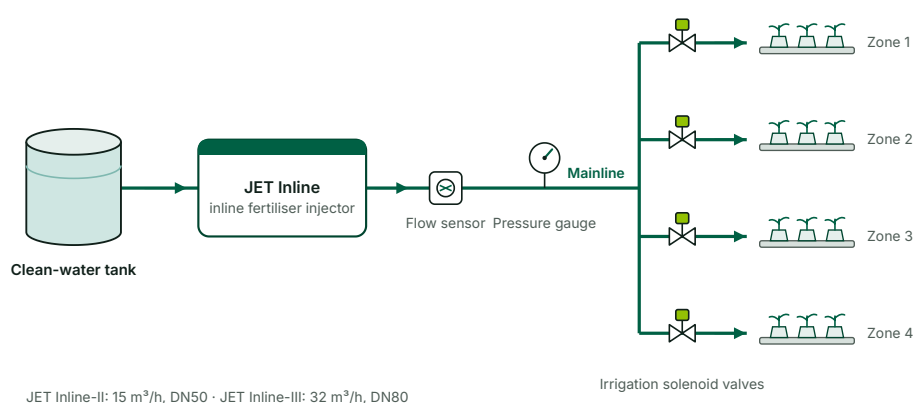
Who It Is For

Growers running soilless crops who need accurate EC and pH dosing on the mainline at 15 to 32 m³/h, in direct or day-tank irrigation.

Specifications

JET Inline Specifications

Parameter	JET Inline-II	JET Inline-III
Irrigation Flow	15 m ³ /h	32 m ³ /h
Device Type	Mainline	Mainline
Irrigation Mode	Direct / day tank	Direct / day tank
Control	Touch screen + mobile (HortiECO)	Touch screen + mobile (HortiECO)
Fertiliser Channels	5 channels, 200 L/h	5 channels, 300 L/h
EC/pH Sensors	Imported from Germany	Imported from Germany
Mixer	2" jet mixing chamber	3" jet mixing chamber
Irrigation Programmes	6 time-based programmes	6 time-based programmes
Inlet / Outlet	DN50	DN80



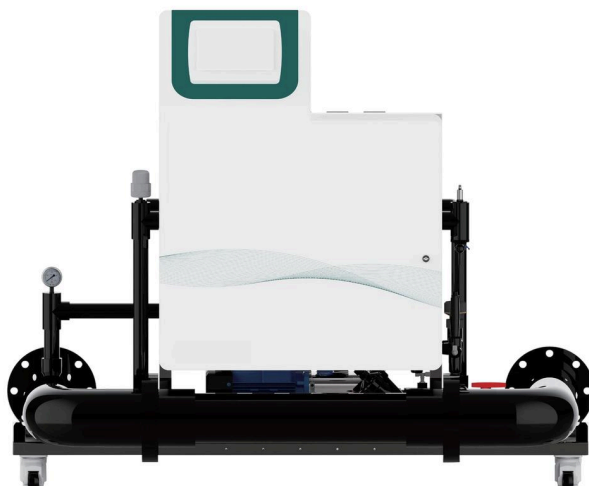
Installation: clean-water tank, JET Inline, flow sensor and pressure gauge on the mainline, then one solenoid valve per irrigation zone.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/jet-inline



JET Bypass-III

JET Bypass-III Essential · Professional

JET Bypass-III fertigates large substrate and soil-grown crops in bypass mode.

A bypass-mode fertigation unit for main pipes carrying 10 to 100 m³/h at up to 7.0 bar, with dual EC and pH sensors and up to 64 irrigation valves.

Main-Pipe Flow

10–100 m³/h

Main-Pipe Pressure

≤7.0 bar

Irrigation Valves

≤64

Sensors

Dual EC, pH

Features

- The German high-precision EC sensor needs no calibration.
- An intelligent pH sensor works alongside the dual EC sensors.
- One unit runs in both direct-injection mode and day-tank mode.
- Operate it from the touch screen, a smartphone or a laptop.

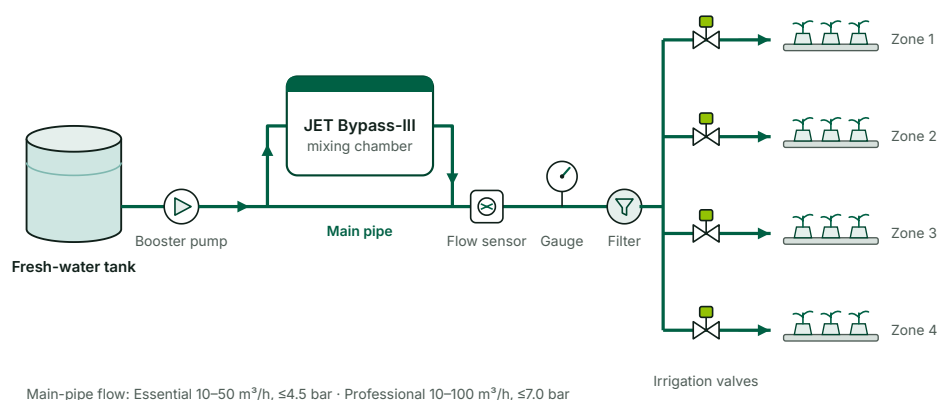
Who It Is For

Large substrate and precision soil-grown operations, such as flowers and blueberries, that need fertigation on a high-flow main pipe without routing all the water through the unit.

Specifications

JET Bypass-III Specifications

Parameter	Essential	Professional
Equipment Type	Stand-alone	Stand-alone / central-system substation
Irrigation Type	Fertiliser mixing chamber	Fertiliser mixing chamber
Irrigation Mode	Direct injection / day tank	Direct injection / day tank
Control	Touch screen + smartphone	Touch screen + smartphone + laptop
Dosing Channels	5 channels, 600 L/h	5 channels, 600 L/h
Sensors	Dual EC, pH	Dual EC, pH
Irrigation Valves	≤16	≤64
Irrigation Programmes	Time-based control, 6 programmes	Time-based control, unlimited programmes
Main-Pipe Flow	10–50 m ³ /h	10–100 m ³ /h
Main-Pipe Pressure	≤4.5 bar	≤7.0 bar



Bypass mode: a booster pump feeds the unit mounted on the main pipe, and the flow sensor, gauge and filter sit between the unit and the irrigation valves.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/jet-bypass-iii



OXYGRO-Inline

OXYGRO-Inline Quantum Flow · Essential · Professional

OXYGRO-Inline delivers high-flow fertigation with a 500 L mixing tank and optional drain-water reuse.

A high-flow fertigation system for 30 to 65 m³/h, with up to eleven dosing channels, a 500 L mixing tank, dual frequency-conversion pumps and drain-water reuse.

Pump Flow

30–65 m³/h

Dosing Channels

Up to 11

Mixing Tank

500 L

Outlet Pressure

2–6 bar

Features

- The Professional edition's eleven channels give precise fertiliser control.
- A custom double butterfly valve lets you reuse drain water.
- Dual frequency-conversion pumps deliver large flow rates.
- A 500 L mixing tank gives thorough mixing and extra buffer capacity.
- High-accuracy EC and pH sensors check the mix.
- Operate it from the touch screen, a smartphone or a laptop.

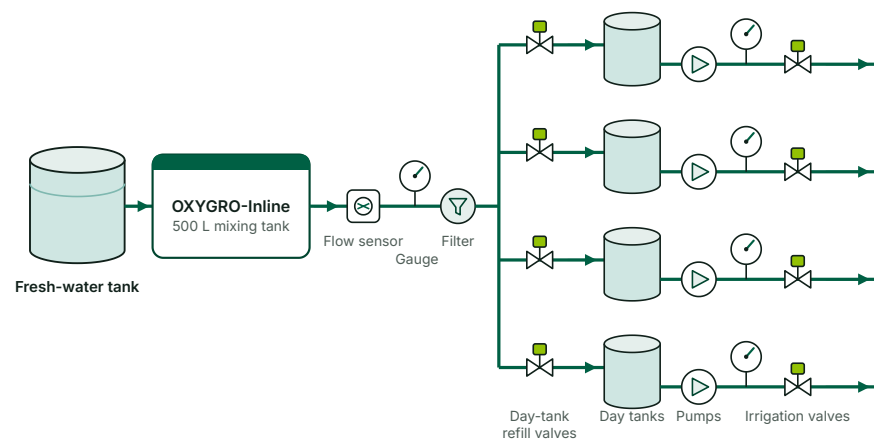
Who It Is For

Large greenhouse operations that irrigate at 30 to 65 m³/h, run many valves and want to blend disinfected drain water back into the feed.

Specifications

OXYGRO-Inline Specifications

Parameter	Essential	Professional
Equipment Type	Stand-alone	Stand-alone / central-system substation
Irrigation Type	Mixing-tank mode	Mixing-tank mode
Irrigation Mode	Direct injection / day tank	Direct injection / day tank
Control	Touch screen + mobile app	Touch screen + laptop + smartphone
Dosing Channels	5 channels, 600 L/h	11 channels, 600 L/h
Irrigation Pump Flow	30-65 m³/h	30-65 m³/h
Outlet Pressure	2-6 bar	2-6 bar
Sensors	Dual EC, pH, flowmeter	Dual EC, pH, flowmeter
Irrigation Valves	≤10	≤666
Irrigation Programmes	Time-based control, 6 programmes	Time- or sensor-based control, 20 programmes
Drain Recycling and Reuse	Not equipped	Optional
Automatic Backwash Filter	Optional	Optional
Water-Supply Pump	Optional	Optional



Irrigation pump flow 30–65 m³/h · outlet pressure 2–6 bar

Day-tank mode: OXYGRO-Inline fills each day tank through its own refill valve, and each tank then has its own pump and irrigation valve.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/oxygro-inline

02

Product Family

Water Treatment

UV disinfection of drain water so it can be reused through the fertigation unit.

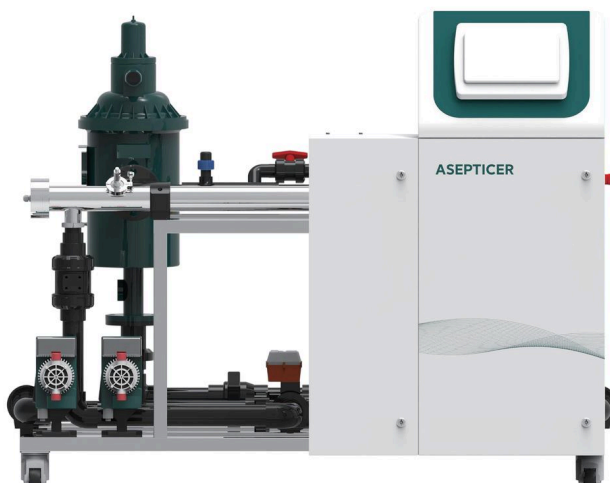
99.9% Sterilisation rate of the ASEPTICER.



ASEPTICER UV Disinfection Machine

ASEPTICER Blueberry Edition • Standard Edition

14



ASEPTICER UV Disinfection Machine

ASEPTICER Blueberry Edition · Standard Edition

The ASEPTICER disinfects drain water with medium-high-pressure UV so it can be reused.

A UV disinfection machine with 1000 W lamps rated for 18,000 hours, treating 5 to 40 m³/h of drain water at a sterilisation rate of up to 99.9%.

UV Lamp
1000 W

Lamp Life
18,000 h

Capacity
5-40 m³/h

Sterilisation Rate
Up to 99.9%

Features

- The medium-high-pressure UV process runs with intelligent recirculation control.
- Imported 1000 W high-intensity UV lamps are rated for 18,000 hours.
- It delivers three times the sterilisation efficiency.
- Drainage regulation is integrated, with an imported pulse peristaltic acid pump.
- Touch-screen control runs HortiECO (Blueberry Edition) or HortiMagi (Standard Edition).

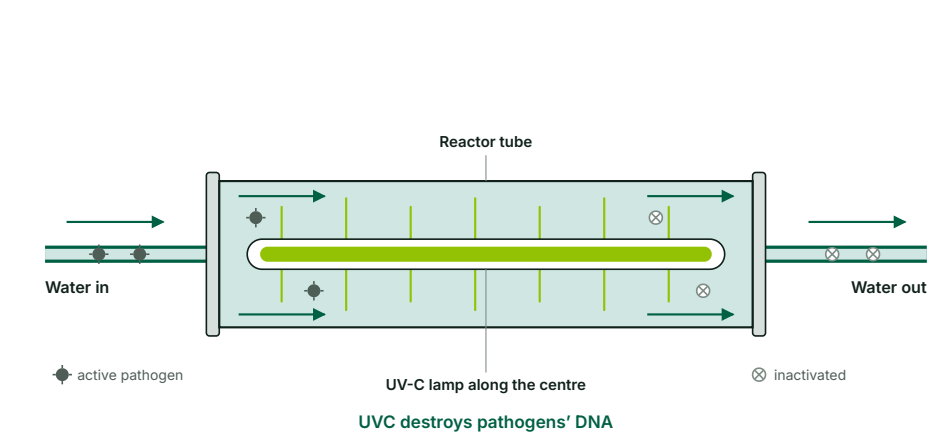
Who It Is For

Soilless growers of crops such as blueberries, flowers and tomatoes who recirculate drain water and need it disinfected before reuse.

Specifications

ASEPTICER Specifications

Parameter	Blueberry Edition	Standard Edition
Lamps	Imported 1000 W UV	Imported 1000 W UV
Lamp Lifespan	18,000 h	18,000 h
Lamp Quantity	1	2 / 4 / 6 / 8
Capacity	5-10 m³/h (150-80 mJ/cm²)	10-40 m³/h (250-80 mJ/cm²)
Climate Control	Optional	Integrated
Sensors	UV / pH / flowmeter	UV / pH / EC / flowmeter
Drainage Regulation	Integrated	Integrated
Acid Pump	Imported pulse peristaltic pump	Imported pulse peristaltic pump
H ₂ O ₂ Pump	Optional	Integrated
Filter	Manual backwash filter	Optional auto-backwash screen filter
Operating System	Touch screen + HortiECO	Touch screen + HortiMagi



Principle: water passes a central UV-C lamp in the reactor tube, and UVC destroys the DNA of pathogens, rendering them inactive.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/aseptic-uv

03

Product Family

Substrate Monitoring

Weighing scales that track substrate weight, drainage, EC and pH to time irrigation.

9

Parameters measured by Plant Scale-III.



Plant Scale-I and Plant Scale-II

Plant Scale-I · Plant Scale-II

17



Plant Scale-III

Plant Scale-III

19



Plant Scale-I and Plant Scale-II

Plant Scale-I · Plant Scale-II

Plant Scale weighs the substrate so irrigation follows measured data.

Substrate weighing systems with 70 kg trays that track weight, drainage and supply and return EC/pH, so irrigation follows what the crop actually uses.

Tray (I)

2500 × 210 mm

Tray (II)

2040 × 300 mm

Standard Substrate Load

70 kg

EC/pH Sensors

**Imported from
Germany**

Features

- It measures transpiration, drainage ratio, weight-loss ratio and VPD to give a reliable basis for irrigation.
- It shows real-time weight, EC/pH of the supply and return solution, and flow.
- It integrates indoor radiation, PAR and plant sensors.
- A smart irrigation decision model runs closed-loop autonomous irrigation.
- The software runs on computer, mobile and tablet, and produces custom crop reports.

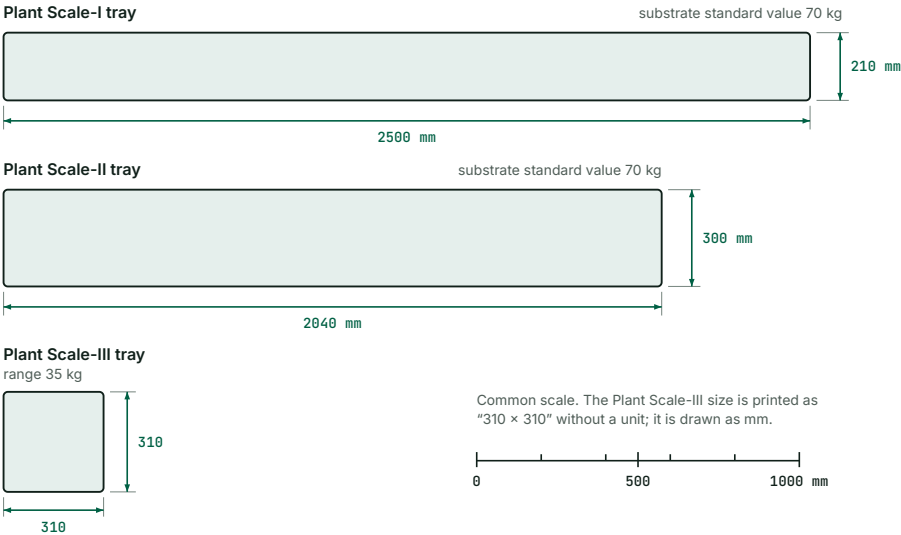
Who It Is For

Substrate growers, from greenhouse strawberries to drip-irrigated vine crops, who want irrigation timing based on measured transpiration and drainage rather than manual sampling.

Specifications

Plant Scale-I and Plant Scale-II Specifications

Parameter	Plant Scale-I	Plant Scale-II
Tray Size	2500 × 210 mm	2040 × 300 mm
Measured Data	Substrate weight, drainage EC/pH, feed volume, drainage volume	Substrate weight, drainage EC/pH, feed volume, drainage volume
Optional Sensors	Solar radiation, air temperature/humidity, substrate, plant	Solar radiation, air temperature/humidity, substrate, plant
Calculated Values	Water content, drainage ratio, substrate VWC	Water content, drainage ratio, substrate VWC
Standard Substrate Load	70 kg	70 kg
EC/pH Sensors	Imported from Germany	Imported from Germany
Application	Conventional drip irrigation, semi-closed irrigation, greenhouse strawberries	–



Tray footprints of Plant Scale-I, Plant Scale-II and Plant Scale-III drawn to a common scale.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/plant-scale-1-2



Plant Scale-III

Plant Scale-III

Plant Scale-III weighs and monitors berries grown in single pots and bags.

A single-pot scale with a 35 kg range that weighs one pot or bag and measures its drainage, EC and pH, with nine measurable parameters in all.

Range

35 kg

Tray

310 × 310

Parameters

9

EC/pH Sensor

**Imported from
Germany**

Features

- Weighing and drainage detection share one structure and add minimal crop height.
- It measures feed and drainage volume (single and cumulative), drainage EC and pH, drainage ratio, weight-loss ratio and VPD.
- It combines air temperature/humidity, CO₂, solar radiation, PAR and leaf-temperature data with crop status.
- It removes manual leachate collection and testing, and can be deployed at many points across a large site.
- The software shows custom date-range curves and a visual dashboard on computer, mobile and iPad.

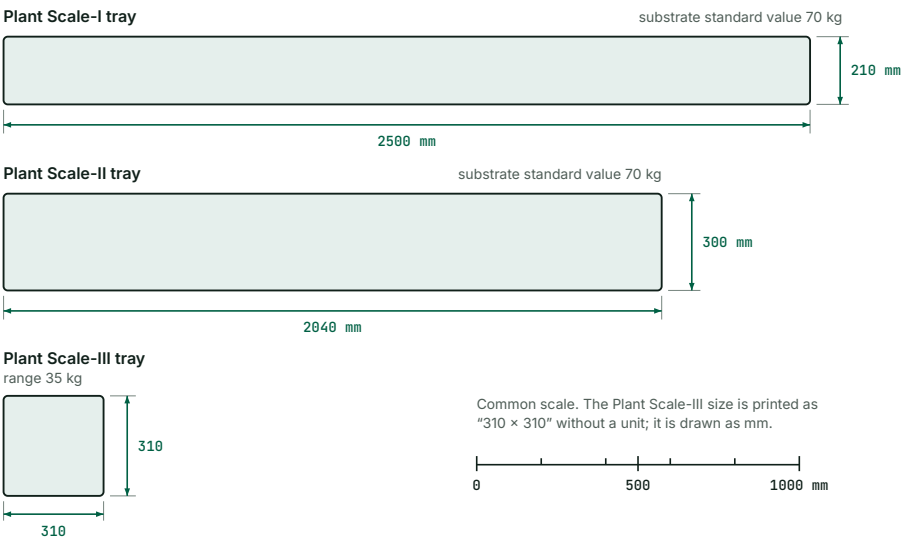
Who It Is For

Berry growers cultivating in pots and bags who want to stop collecting leachate by hand and monitor many points across a large site.

Specifications

Plant Scale-III Specifications

Parameter	Value
Tray Size	310 × 310
Measured Parameters	9
Optional Sensor	PAR
Calculated Values	Water content, drainage ratio, substrate VWC
Range	35 kg
EC/pH Sensor	Imported from Germany
Application	Potted and bag substrate cultivation



Tray footprints of the Plant Scale range drawn to a common scale.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/plant-scale-3

04

Product Family

Growing Media

Washed cocopith and coco chip blends designed for vine crops, strawberries and blueberries.

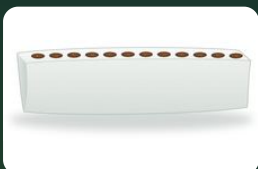
<0.5 mS/cm EC of the Tropical design mix.



Tropical Design Mix for Vine Crops

Design Mix · 60/40

22



Strawberry Premium Blend

Premium Blend · 90/10

24



Blueberry, Raspberry and Blackberry Premium Blend

Premium Blend · 70/30

26



Tropical Design Mix for Vine Crops

Design Mix • 60/40

This airy, low-EC coco substrate stays stable through 10–12-month vine crops.

A 60/40 blend of double-sieved cocopith and coco chips with EC below 0.5 mS/cm and pH 5.8–6.5, supplied as growbags and grow slabs.

Mix

60% pith / 40% chips

EC

< 0.5 mS/cm

pH

5.8–6.5

Growbag (Expanded)

100 × 18 × 15 cm

Features

- Its airy, stable structure and ultra-low EC allow precise feeding.
- It re-wets fast across a 10–12-month crop.
- Sodium and potassium salts are at trace levels.
- It is available as a tropical, hot or cold mix.
- Dripper and drain holes are customised to order.

Who It Is For

Growers of tomatoes, cherry tomatoes, bell peppers, cucumbers and courgettes on long 10–12-month crop cycles.

Specifications

Material Composition

Material	Share	Particle Size
Cocopith (Double-Sieved)	60%	0.5-8 mm
Coco Chips	40%	8-16 mm

Physical and Chemical Properties

Parameter	Value
Expanded Dimensions (L x W x H)	100 x 18 x 15 cm
Weight per Growbag	3 kg
Moisture Content	< 15%
pH	5.8-6.5
Electrical Conductivity (EC)	< 0.5 mS/cm
Sodium and Potassium Salts	Trace levels
Packaging	Woven fabric bags
Formats	Growbags (100 x 18 x 15 cm expanded); 5 kg grow slabs (30 x 30 x 12-15 cm)

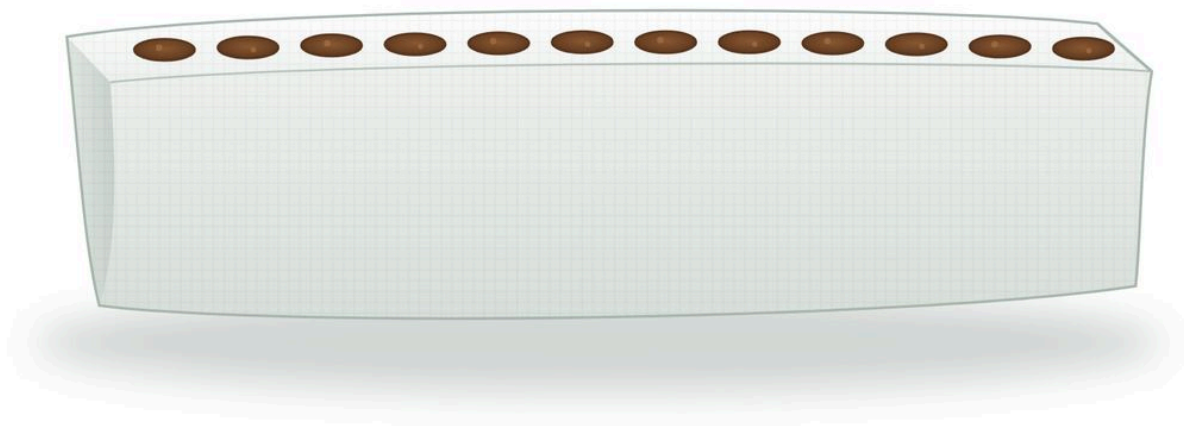


Tropical Design Mix: 60% double-sieved cocopith and 40% coco chips.

Full Product Page

Drawings, downloads and related products.

www.oxygrosystems.com/products/growing-media-tropical



Strawberry Premium Blend

Premium Blend • 90/10

This coco blend drains freely and still holds steady moisture for strawberries.

A 90/10 cocopith and coco chip growbag with 12 plant holes, EC below 0.7 mS/cm and pH 5.5–6.5, for stable strawberry root zones.

Mix

**90% pith / 10%
chips**

EC (1:1.5)

< 0.7 mS/cm

pH

5.5–6.5

Plant Holes

12

Features

- It balances drainage and aeration against moisture retention.
- It helps prevent root rot while keeping hydration consistent.
- Dripper and drain holes are customised to order.

Who It Is For

Strawberry growers who need drainage and aeration to prevent root rot, with steady moisture for even hydration.

Specifications

Strawberry Premium Blend Specifications

Parameter	Value
Composition	Cocopith 90% · coco chips 10%
Size (L × W × Thickness)	98 × 9 × 2.5 cm
Size (Expanded)	100 × 10 × 10 cm
Weight	1.10 kg
Particle Size	Cocopith 8 mm
Plant Holes	12
Dripper Holes	Customisable
Drain Holes	Customisable
EC (1:1.5 by Volume)	< 0.7 mS/cm
pH	5.5–6.5
Packaging	Woven bags
Formats	Growbags (100 × 10 × 10 cm expanded); 5 kg grow slabs (30 × 30 × 12–15 cm)



Strawberry Premium Blend: 90% cocopith and 10% coco chips.

Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/growing-media-strawberry



Blueberry, Raspberry and Blackberry Premium Blend

Premium Blend • 70/30

This acidic, open coco substrate suits cane and bush berries.

A 70/30 cocopith and coco chip block of 27 L with pH 4.5–5.5 and EC below 0.7 mS/cm, supplied as blocks or square and round growbags.

Mix

**70% pith / 30%
chips**

pH

4.5–5.5

EC (1:1.5)

< 0.7 mS/cm

Volume

27 L

Features

- Its pH of 4.5–5.5 is the range blueberries need to avoid deficiencies such as iron chlorosis.
- Coarse 12–18 mm coco chips give good drainage around shallow roots.
- Steady moisture protects roots from both waterlogging and drying out.
- It comes as a block or as square and round growbags.

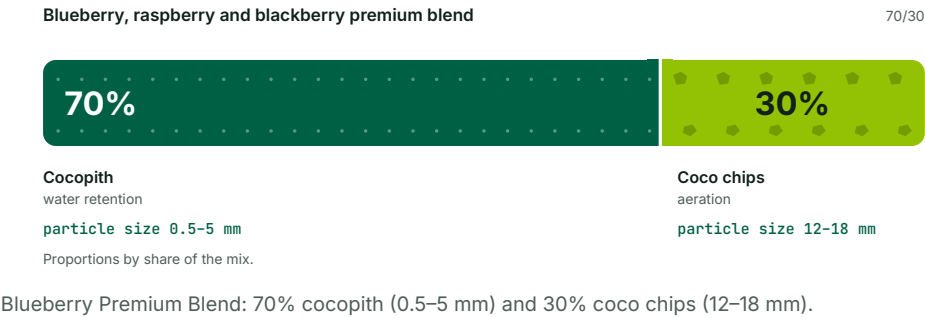
Who It Is For

Growers of blueberries, raspberries and blackberries in pots and bags who need an acidic, well-drained root zone.

Specifications

Blueberry Premium Blend Specifications

Parameter	Value
Composition	Cocopith 70% · coco chips 30%
Size	29 × 29 × 33 cm
Weight	2.7 kg (27 L)
Particle Size	Cocopith 0.5–5 mm · coco chips 12–18 mm
Plant Holes	2
Dripper Holes	Customisable
Drain Holes	Customisable
EC (1:1.5 by Volume)	< 0.7 mS/cm
pH	4.5–5.5
Packaging	Woven bags
Formats	Block; square growbag; round growbag



Full Product Page

Drawings, downloads and related products.



www.oxygrosystems.com/products/growing-media-blueberry

05

Product Family

DWC Greenhouse Systems

Complete deep water culture greenhouse design for lettuce, leafy greens and herbs.

86,400 L Water in one 10 × 39 m greenhouse.



DWC Hydroponic Greenhouse System

10 × 39 m Fixed Vent Solo · Two 4 × 36 m Tanks

29



DWC Hydroponic Greenhouse System

10 × 39 m Fixed Vent SoLo • Two 4 × 36 m Tanks

Deep water culture delivers continuous harvests of lettuce and leafy greens.

A complete deep water culture greenhouse design: two 4 × 36 m insulated tanks holding 86,400 L in a 10 × 39 m greenhouse, with aeration, circulation, UV-C, chilling and automated dosing.

Greenhouse

10 × 39 m

Water Volume

86,400 L

Water Depth

30 cm

Water Temperature

20–22 °C

Features

- A large water volume keeps temperature, pH and nutrient levels stable, and plants stay in water if the power fails.
- The tanks are built from insulated 75 mm PU/PIR sandwich panels, so chillers run 60% less than with concrete tanks.
- The panel system cuts installation labour by 70% compared with concrete.
- Two 1.5 HP regenerative blowers run 24/7, with airlines every 1.2 m.
- Water circulates front to back at about 15,000 L/h per tank through a 130-micron disc filter, UV-C and a chiller.
- An OXYGRO-Inline Quantum Flow unit automates EC/pH dosing.
- A nano bubble generator dissolves oxygen three times more efficiently.

Who It Is For

Commercial producers of lettuce, leafy greens and herbs who want a forgiving, continuous-harvest hydroponic system with stable water conditions.

Specifications

Layout and Water

Parameter	Value
Greenhouse	10 × 39 m Fixed Vent Solo
Tanks	2 × (4 m × 36 m)
Centre Walkway	2 m (harvest carts)
Equipment Space	1.5 m at each end
Water Depth / Wall Height	30 cm / 40 cm (10 cm freeboard)
Water Volume	43,200 L per tank · 86,400 L total

Tank Construction

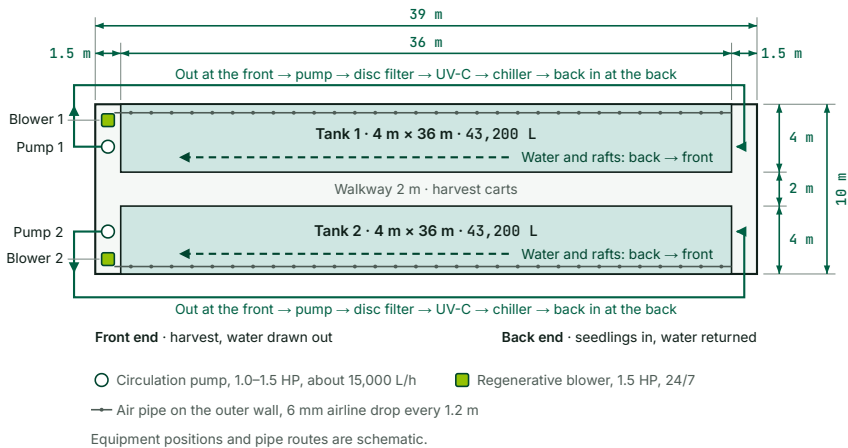
Component	Specification
Walls	75 mm PU/PIR sandwich panel · 0.5 mm steel skins · 400 mm high
Floor Track	77 mm galvanised U-channel · 2 mm
Top Cap	77 mm galvanised U-channel · 1.5 mm
Floor Insulation	50 mm XPS boards
Waterproofing	400 gsm geotextile + 1 mm PVC liner
Anti-Bowing Stakes	40 × 40 mm galvanised · every 2 m · 600 mm in ground, 400 mm above

Water Management

System	Specification
Aeration	2 × 1.5 HP regenerative blowers (one per tank) · 6 mm airlines every 1.2 m to air stones
Circulation	2 × 1.0–1.5 HP centrifugal pumps · about 15,000 L/h per tank · 2-inch (50 mm) PVC
Turnover	Every 3–4 hours
Filtration	130-micron disc filter · washed weekly
Disinfection	Inline UV-C · 99.9% pathogen elimination
Cooling	Commercial chiller · 20–22 °C (root-disease risk rises sharply above 24 °C)
Dosing	OXYGRO-Inline Quantum Flow · EC/pH probes · compatible with BlueLab, Hanna and Netafim controllers
Nano Bubble Generator	3× more efficient oxygen dissolution · 24-hour oxygen stability

Rafts

Parameter	Value
Material	High-density XPS
Size	1.2 m × 0.6 m × 3 cm
Net-Pot Holes	18–28 per raft



Floor plan: two 4 × 36 m tanks either side of a 2 m walkway, with 1.5 m equipment zones at each end of the 39 m greenhouse.

Full Product Page

www.oxygrosystems.com/products/dwc-green-house-system

Applications by Crop

The OXYGRO products used for each crop group, with the page where each one appears.



Lettuce, Leafy Greens and Herbs

Lettuce

Leafy Greens

Herbs

Deep water culture gives continuous, daily harvests of lettuce, leafy greens and herbs from stable, aerated, chilled water.

DWC Hydroponic Greenhouse System	29
OXYGRO-Inline	11
ASEPTICER UV Disinfection Machine	14



Tomatoes, Peppers and Cucumbers

Tomato

Cherry Tomato

Bell Pepper

Cucumber

Courgette

Substrate, fertigation, drain-water disinfection and weighing for vine crops on 10–12-month cycles.

Tropical Design Mix for Vine Crops	22
OXYGRO-Inline	11
JET Inline-II and JET Inline-III	7
ASEPTICER UV Disinfection Machine	14
Plant Scale-I and Plant Scale-II	17



Strawberries, Blueberries and Cane Berries

Strawberry

Blueberry

Raspberry

Blackberry

Coco blends for strawberries and blueberries, single-pot weighing, berry-specific UV disinfection and bypass fertigation.

Strawberry Premium Blend	24
Blueberry, Raspberry and Blackberry Premium Blend	26
Plant Scale-III	19
Plant Scale-I and Plant Scale-II	17
ASEPTICER UV Disinfection Machine	14
JET Bypass-III	9



Flowers

Flowers

Bypass fertigation, drain-water disinfection and substrate weighing for large-scale flower production.

JET Bypass-III	9
OXYGRO-Inline	11
ASEPTICER UV Disinfection Machine	14
Plant Scale-I and Plant Scale-II	17

Services

Beyond individual units, OXYGRO designs complete deep water culture greenhouses, connects disinfection and fertigation into one loop, and supports the system once it runs.

01

DWC Greenhouse Design

A complete design for a 10 × 39 m greenhouse: layout, tank construction, water systems and a step-by-step installation method for two 36 m deep water culture tanks.

- Two 4 × 36 m tanks, a 2 m harvest walkway and 1.5 m equipment zones.
- 75 mm PU/PIR sandwich-panel tanks: chillers run 60% less than with concrete, and installation labour is 70% lower.
- Aeration, circulation, disc filtration, UV-C, chilling and automated dosing sized for 86,400 L.

02

System Integration

The ASEPTICER and OXYGRO-Inline are designed to connect, so drain water goes back to the crop instead of to waste (see [page 5](#)).

- The ASEPTICER treats 5–40 m³/h of drain water with 1000 W UV lamps.
- A double butterfly valve blends disinfected and clean water before dosing.
- OXYGRO-Inline Professional offers drain recycling and reuse as an option.

Tank Installation in Five Steps

01

Level the Floor

Laser-level the greenhouse floor.

02

Anchor the Track

Bolt the 77 mm galvanised floor U-track into concrete or compacted earth with ground anchors every 1 m.

03

Seal and Set the Panels

Run a bead of polyurethane sealant in the track and drop the 75 mm PU panels in, locking the base of the wall.

04

Stake Against Bowing

Every 2 m, drive a 40 × 40 mm galvanised stake 600 mm into the ground, flush with the panel, and screw it through.

05

Cap the Wall

Slide the top U-channel over the panels to lock the whole 36 m run together.

03

Remote Control and Monitoring

Every fertigation unit and the ASEPTICER have a local touch screen and connect to OXYGRO's HortiECO or HortiMagi control software.

- Control runs from the touch screen, a smartphone or a laptop. Laptop control comes with the Professional editions.
- Programmes range from 6 time-based programmes to 20 time- or sensor-based programmes, with unlimited time-based programmes on JET Bypass-III Professional.
- Plant Scale software shows curves and dashboards on computer, mobile and tablet, and produces custom crop reports.

04

Support

Help when the crop needs it.

- Technical support is available 24/7.
- Agronomists and engineers work together on every system.
- A global network of trusted partners handles supply and service.

Contact

Contact OXYGRO

Call or message us on WhatsApp, or send an email.

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